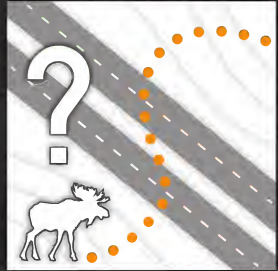


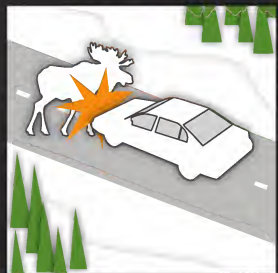
1. What is the problem?



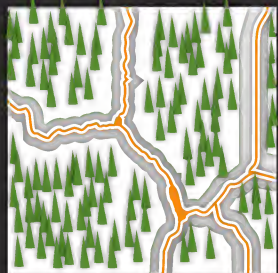
All wildlife need to be able to move freely throughout their habitat to access water, food, and mates.



When highways are built through habitat, wildlife must find ways to cross.



Sometimes vehicles collide with crossing wildlife. These collisions are unsafe and very costly.



When highways are built or widened, this fragments wildlife habitat and increases the risk of wildlife-vehicle collisions.

4 - 8
large animal - vehicle collisions
take place
every hour
in Canada



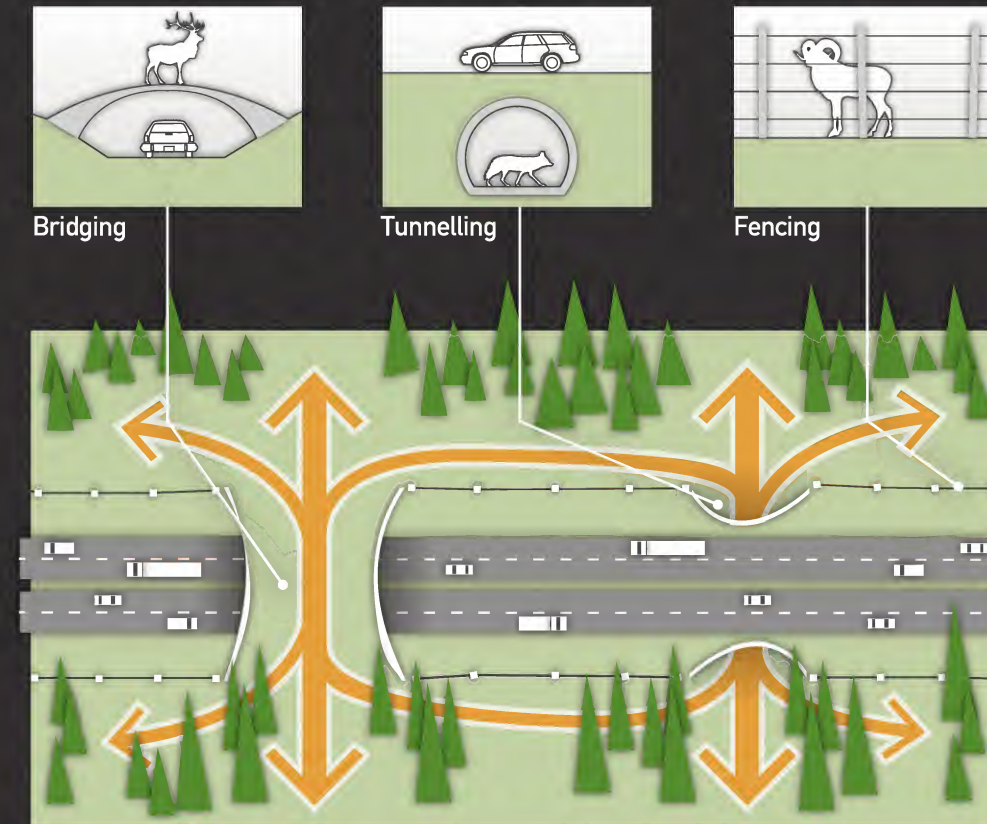
Highway Wilding
Wildlife Monitoring and Research Collaborative
in the Canadian Rocky Mountains

Mistakias Institute for the Rockies
Parks Canada
Western Transportation Institute

Highways & Wildlife

2. What is the solution?

We can make highways safer for both wildlife and people by separating traffic and wildlife with **crossing structures** -- including bridges, tunnels, and highway fencing.



3. Do crossing structures work?

Absolutely! Scientists have now collected over fifteen years of data on wildlife using highway crossing structures. While some animals take time getting used to these structures, many different types of animals -- from salamanders to grizzly bears -- now use them regularly.



3 sec

average time in seconds between vehicles on the Trans-Canada Highway in Banff National Park

15 years

number of years of research on crossing structures in Banff National Park

95 %

reduction in wildlife-vehicle collisions on highways with crossing structures (deer, elk, & moose) recorded in Banff National Park

200,000 +

large mammals detected using crossing structures in Banff National Park

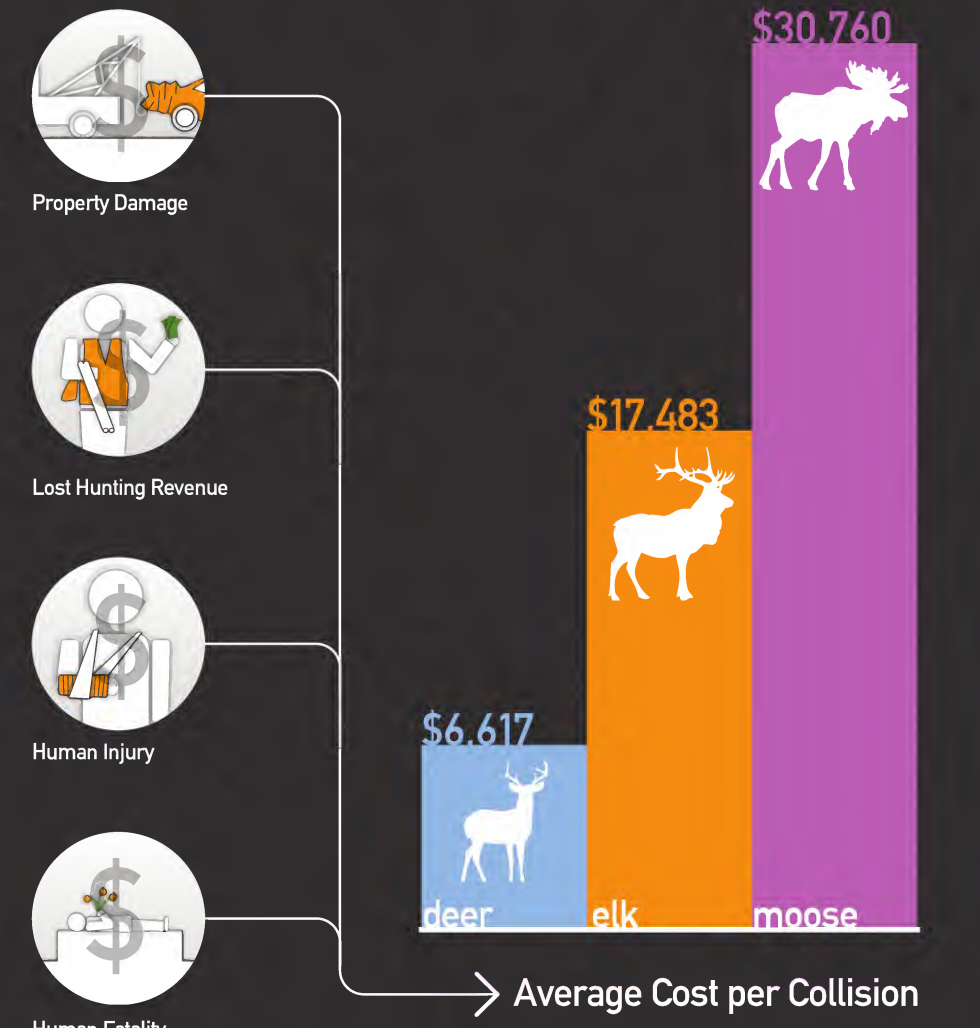
4. How do we know they work?

Scientists have a variety of ways to measure the use of crossing structures by wildlife. These include direct observation, motion-sensing cameras, track observation, and DNA analysis (of fur captured from crossing animals).



5. Are they cost effective?

Yes! At sites where there are regular wildlife crossings, the cost of collisions -- including property damage, loss of hunting revenue, human injury, and human fatality -- far outweighs the cost of building bridges, tunnels, and fencing. By installing crossing structures, the Trans-Canada Highway near Dead Man's Flats in Alberta has saved over \$85,000 per year!



www.highwaywilding.org • www.rockies.ca/crossroads

Woodcock Foundation Parks Canada
Alberta Ecotrust Foundation Wilburforce Foundation
Alberta Real Estate Foundation Galvin Family Fund